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# (12) United States Patent

## Horstemeyer

## (54) SECURE NOTIFICATION MESSAGING SYSTEMS AND METHODS USING AUTHENTICATION INDICIA

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See application file for complete search history.

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## (57) ABSTRACT

Systems and methods are disclosed for notification or messaging systems that give confidence to the notification-receiving party that a notification concerning the travel status of a mobile thing is from a proper authorized source. One representative method, among others, comprises the following steps: monitoring travel data associated with a mobile thing; communicating a notification involving a delivery or pickup task associated with the mobile thing to a personal communications device associated with a party; and providing authentication information to the personal communications device that indicates to the party that the notification is from an authorized source. A representative system, among others, comprises a computer system that is programmed to perform each of the foregoing steps.

## 44 Claims, 50 Drawing Sheets

